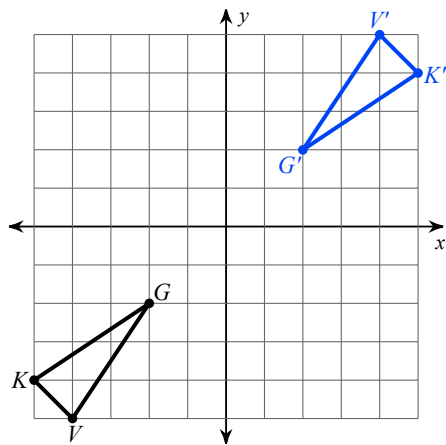


2.8 Identifying Transformations

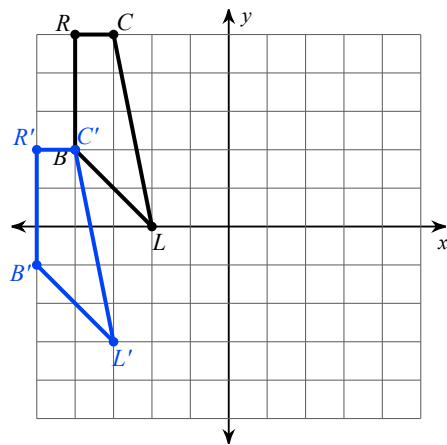
Date _____ Period _____

Write a rule to describe each transformation.

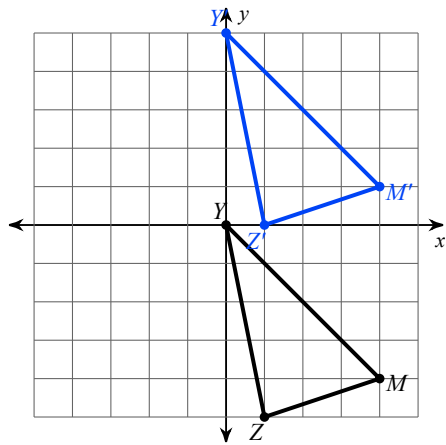
1)



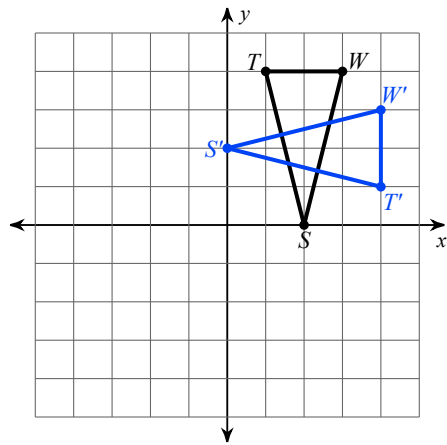
2)



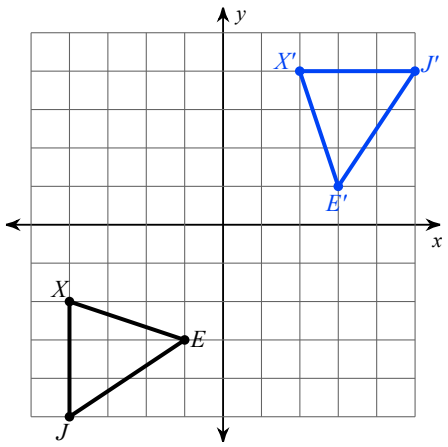
3)



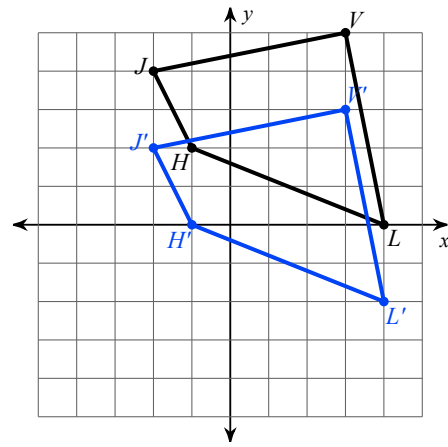
4)



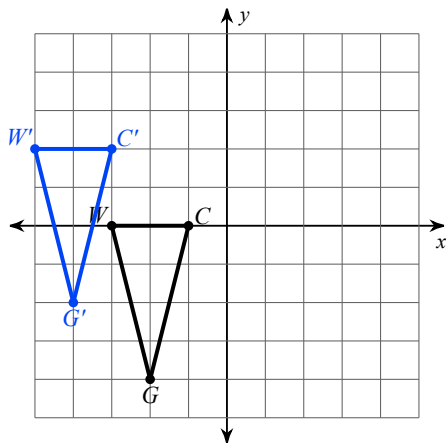
5)



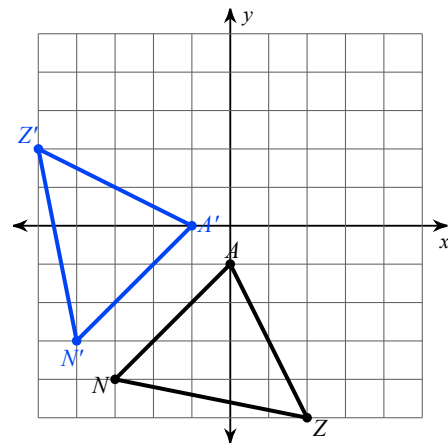
6)



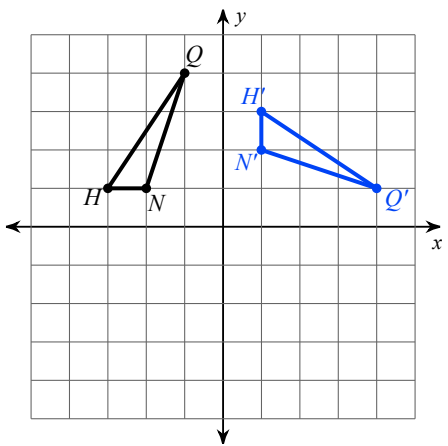
7)



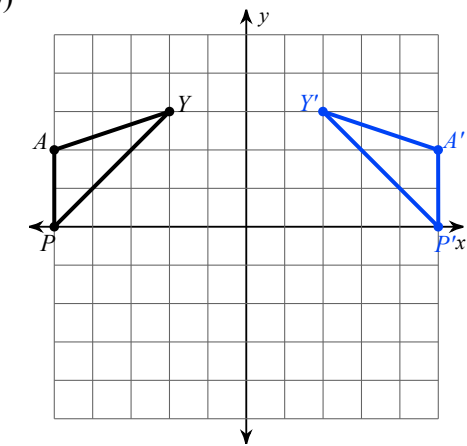
8)



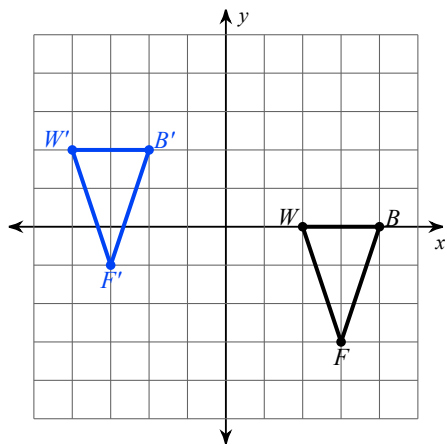
9)



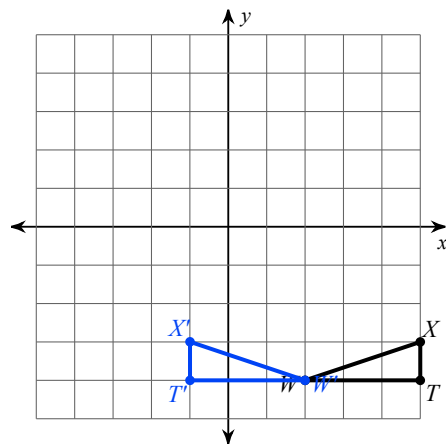
10)



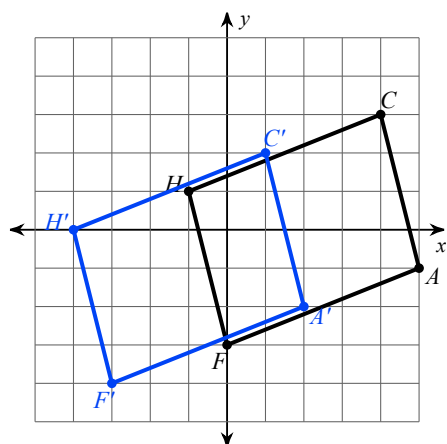
11)



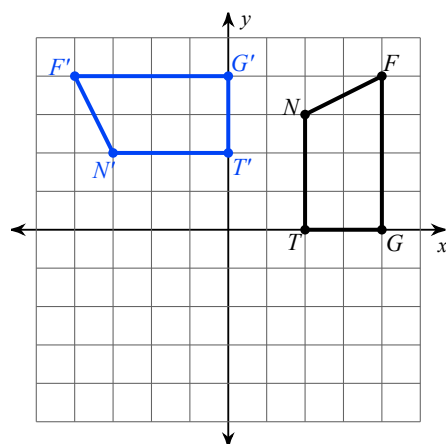
12)



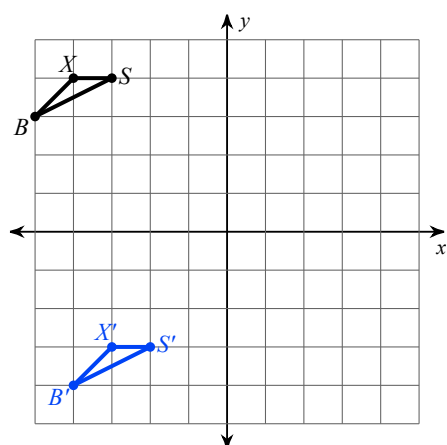
13)



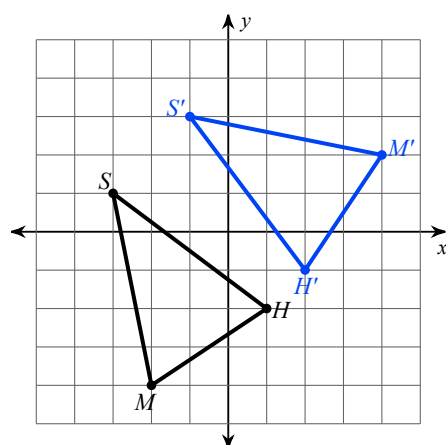
14)



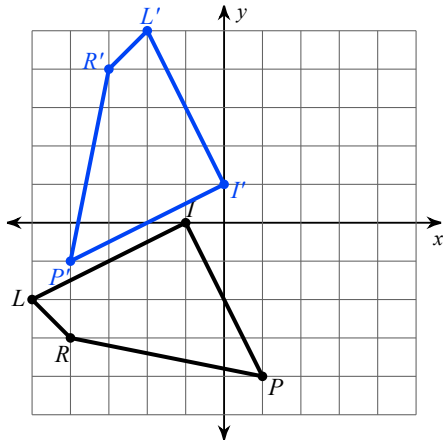
15)



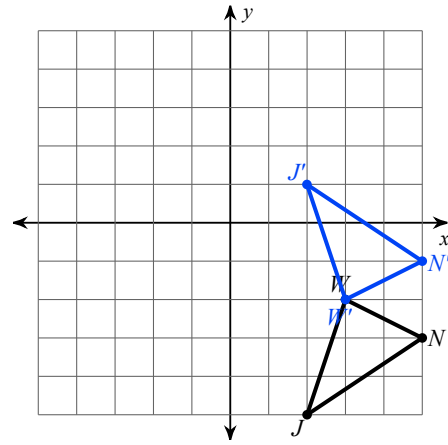
16)



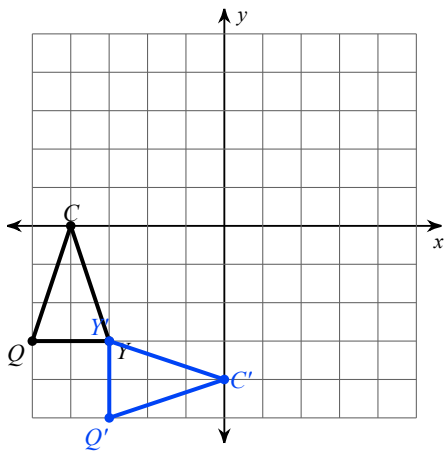
17)



18)



19)



Answers to 2.8 Identifying Transformations (ID: 1)

- | | |
|---|--|
| 1) rotation 180° about the origin | 2) translation: 1 unit left and 3 units down |
| 3) translation: 5 units up | 4) reflection across $y = x$ |
| 5) reflection across $y = -x$ | |
| 6) translation: 2 units down | 7) translation: 2 units left and 2 units up |
| 8) reflection across $y = x$ | 9) rotation 90° clockwise about the origin |
| 10) reflection across the y-axis | 11) translation: 6 units left and 2 units up |
| 12) reflection across $x = 2$ | 13) translation: 3 units left and 1 unit down |
| 14) rotation 90° counterclockwise about the origin | 15) translation: 1 unit right and 7 units down |
| 16) reflection across $y = -x$ | 17) rotation 90° clockwise about the origin |
| 18) reflection across $y = -2$ | 19) reflection across $y = x$ |